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WHAT IS CLAIMED IS:

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1. A foam composite adapted to remove sparingly soluble hydrocarbon contaminants from water comprising: a scaffold of an open cell hydrophobic polyurethane foam, said foam having a plurality of pores having a plurality of surfaces, the surfaces of said pores having a coating of hydrophobic polyurethane disposed thereupon.

- 2. A composite as recited in claim 1 wherein the hydrophobic polyurethane prepolymer comprises a C₈ -C₁₂ monohydric alcohol reacted with a polyisocyanate.
- 3. A composite as recited in claim 2 wherein the amount of alcohol is 10 25%
 10 of the stoichiometric amount required for complete reaction with said polyisocyanate.
 - 4. A process of making a foam composite adapted to remove sparingly soluble hydrocarbons from a waste stream which comprises:
 - (a) preparing a hydrophobic polyurethane prepolymer comprising the reaction product of a C8 -C12 monohydric alcohol with a polyisocyanate,
 - (b) contacting an open cell hydrophobic polyurethane foam having a plurality of pores having a plurality of surfaces with said hydropobic polyurethane prepolymer and a plyol and
 - (c) curing said prepolymer while in contact with said hydrophobic polyurethane for a period of time sufficient to form a coating of hydrophobic polyurethane on the surfaces of the pores of said hydrophobic polyurethane foam.
 - 5. A process for removing sparingly soluble hydrocarbon contaminants from water comprising: contacting the contaminated water with a foam composite comprising a scaffold of an open cell hydrophobic polyurethane foam, said foam having a plurality of pores having a plurality of surfaces, the surfaces of said pores having a coating of hydrophobic polyurethane disposed thereupon.

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